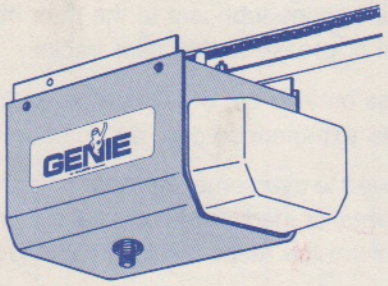
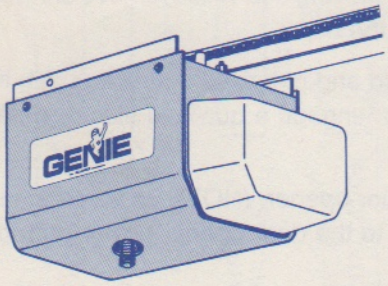
GENIE® PROFESSIONAL CHAIN DRIVE

Automatic Garage Door Opener



MODEL PRO-130
1/3 HP RESIDENTIAL CHAIN DRIVE GARAGE DOOR OPENER



MODEL PRO-125
1/4 HP RESIDENTIAL CHAIN DRIVE GARAGE DOOR OPENER

OWNER'S MANUAL

INSTALLATION, ADJUSTMENTS AND PROPER USE OF OPENER and DIGITAL RADIO CONTROL

The Genie Company
A division of North American Philips Corporation

IMPORTANT — READ CAREFULLY BEFORE PROCEEDING TO AVOID DANGEROUS ACCIDENTS

YOUR GARAGE DOOR IS THE LARGEST AND HEAVIEST MOVING PART OF YOUR HOUSE and must be treated with respect to avoid personal injury. The following cautions are here to alert you to this danger so that you can make the safest possible Genie Garage Door Opener installation.

GARAGE DOORS UTILIZE EXTREMELY POWERFUL SPRINGS to balance the heavy weight of the door. IF THESE SPRINGS ARE RELEASED during installation of the door and operator, PERSONS IN THE AREA COULD RECEIVE SERIOUS OR EVEN FATAL INJURIES. **NEVER** try to service springs yourself. **ALWAYS** call a professional serviceman for assistance.

BEFORE BEGINNING YOUR INSTALLATION

1. It is essential that you test the door by hand to find out if you can move it easily. Also, while keeping out of its path, raise the door approximately three feet and release it. Door should remain in this position, moving neither up nor down.

If it does not move easily with little effort, try applying light oil or silicone lubricant to the door hinges, pivot points in the mounting hardware and the roller bearings. Do not apply oil or grease to the roller tracks.

If the door runs up or falls down when you release it, the springs may be out of adjustment or broken. For your own safety, do not attempt to replace or adjust these springs. Call an experienced door serviceman instead.

The Genie® Automatic Garage Door Opener System is not designed to overcome improper adjustment of the door, nor to operate properly when the door is obstructed or frozen. Accidental or inadvertent operation by a person or improper maintenance of the door, door accessories, and door balance is not the responsibility of The Genie Company.

2. Check door hardware for wear at pivot joints or bearings. Check for rust, corrosion or any signs of cracking. If any problems are found, call your garage door serviceman for repair before attempting installation of your opener.

3. Remove all handles, ropes, or any projections from the garage door before proceeding with the installation because these could catch on clothing and drag the wearer along with the moving door. Also remove or make inoperable all locking devices since these could accidentally block the motion of the door.

4. The door operator must be plugged into a properly grounded and polarized 120 volt outlet; if one is not available within easy reach of the power cord supplied with the operator, engage a qualified electrician to provide the necessary receptacle in the garage ceiling.

Do not plan to use an extension cord to supply power to the door opener. (NOTE: In some areas the electrical code may require permanent wiring directly from the branch circuit to the door opener power unit, that is, no receptacle or appliance type plug is allowed. See page 14.)

5. Mount the wall pushbutton out of the reach of children and far enough away from the door so that the person pushing the button cannot be in the path of the moving door or door supporting hardware.

AFTER COMPLETING YOUR INSTALLATION

1. FAMILIARIZE ALL THE INDIVIDUALS WHO ARE LIKELY TO OPERATE THE DOOR AS TO ITS PROPER AND SAFE USE.

DEMONSTRATE THE SAFETY REVERSE AND THE MANUAL DISCONNECT FEATURES.

2. OPERATE THE DOOR ONLY WHEN IT IS FULLY VISIBLE AND PROPERLY ADJUSTED. DO NOT ENTER THE DOOR AREA WHILE THE DOOR IS MOVING. A MOVING DOOR IS DANGEROUS TO THOSE IN THE DOOR AREA.

3. DO NOT TRY TO RUN UNDER THE DOOR WHILE IT IS CLOSING. THIS IS EXTREMELY DANGEROUS AND COULD RESULT IN SERIOUS OR EVEN FATAL INJURY.

4. DO NOT LET CHILDREN OR PETS PLAY IN THE DOOR AREA.

5. DO NOT LET CHILDREN PLAY WITH THE WALL PUSHBUTTON OR TRANSMITTER.

6. CHECK THE INSTANT REVERSE SYSTEM REGULARLY IN THE INTEREST OF SAFETY. SEE PAGE 15.

DEAR GENIE® CUSTOMER,

The unit you have purchased is the result of extensive research, engineering and production experience. Genie Garage Door Opening Systems are manufactured only by The Genie Company. The Genie name has been known in the specialized field of door operators and controls for over 30 years. Your new Genie is the product of the finest materials and the best craftsmanship available today. It will give you dependable, long lasting service and convenience for many years to come.

HIGHLIGHTS OF YOUR GENIE OPENER

Your Genie® Automatic Garage Door Opener will open and close your garage door at the touch of a button. Depressing the transmitter button or the wall mounted pushbutton will activate the opener and garage door will open (or close) and shut off automatically. The door may be stopped in any position during the opening or closing cycle by simply depressing the transmitter or wall pushbutton. You may reverse the door travel by depressing either of the two buttons after you have stopped the garage door.

MOTOR powered by a rugged, slow-speed, long-life motor specifically designed for this garage door opener.

PRE-STRESSED CHAIN adjusts easily for tension after the opener has been installed. Easily adjustable limits control up and down travel.

POWERFUL LIFTING FORCE will easily open single, double, sectional, solid jamb or pivot type doors not exceeding 7'6" high.

DOOR OPERATION. The Genie opener is designed to open or close the door at a rate of approximately 7 inches per second.

LIGHT TURNS ON AUTOMATICALLY when the door goes up. One depression of the button will close the door behind you and the light will turn off automatically after 2 minutes and 16 seconds.

THE INSTANT REVERSE SAFETY DEVICE will be activated whenever a properly balanced door meets an obstruction while closing. It will stop and then reverse to an open position. If the door meets an obstruction while opening it will stop its travel upwards. If for some reason the door opener is operating continuously for more than 17 seconds without a signal command to stop in the closing direction, it will automatically reverse and stop in the open position.

MOTOR PROTECTION FEATURE keeps the motor from overheating. If the door has been opened and closed a number of times in succession, the cut-off feature will render the opener inoperable until motor cools. (Approximately 20 minutes.)

FACTORY LUBRICATED for proper operation. Field lubrication may be required depending on condition and use.

A MANUAL RELEASE is provided should manual operation be required, for example, in case of power failure.

U. L. LISTED
C.S.A. CERTIFIED

THIS OWNER'S MANUAL CONTAINS COMPLETE INSTRUCTIONS ON THE INSTALLATION, MAINTENANCE, AND CARE OF THE SYSTEM AND MUST BE ACCESSIBLE FOR HANDY REFERENCE BY THE OWNER. STORAGE IN A CONVENIENT LOCATION IN THE GARAGE IS RECOMMENDED.

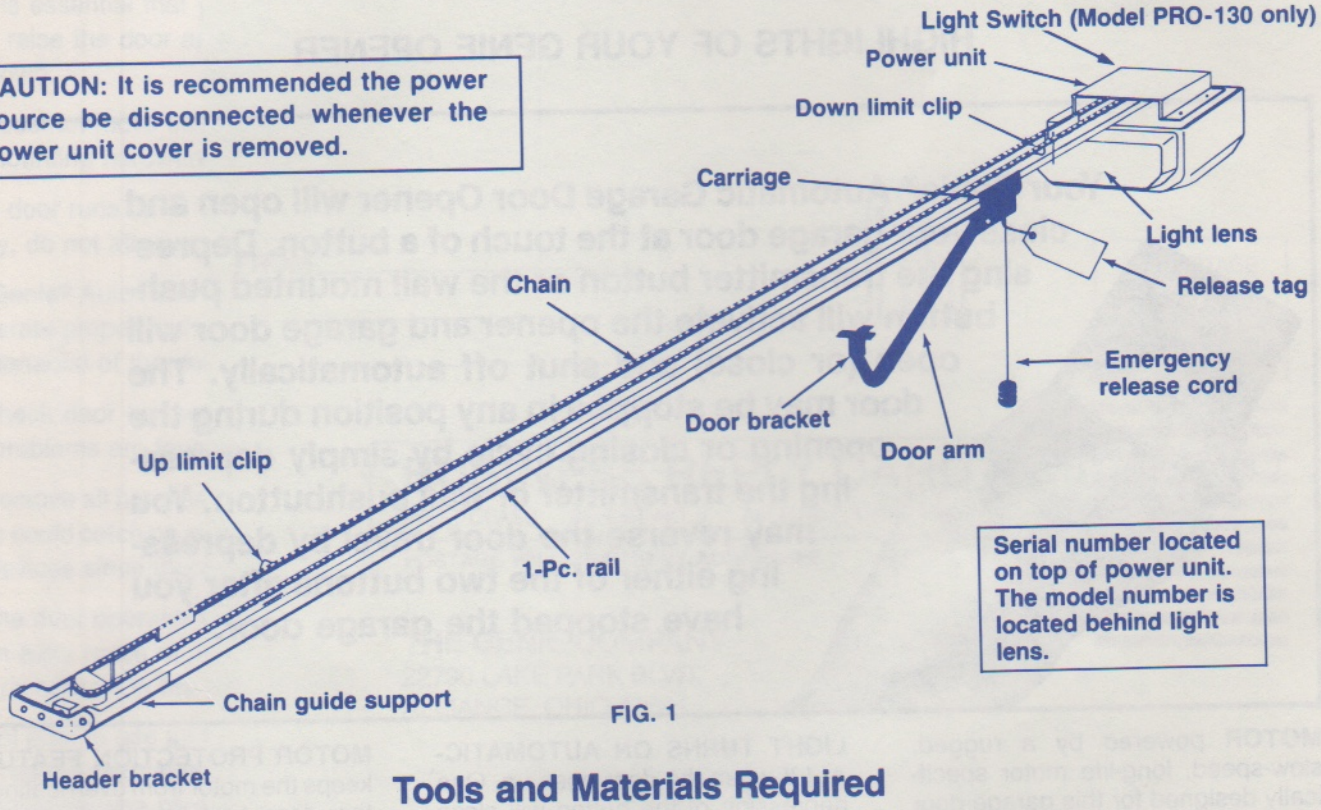
GENERAL INFORMATION

Genie® Model PRO-125 and PRO-130 garage door openers are designed to open and close any type of residential garage door to a height of 7'6". Your Genie chain drive opener requires a minimum of 1½" of space above the garage door when the door is at its highest point of travel.

MODEL PRO-125 is equipped with a ¼ HP, 120 volt, 60 Hz power unit. Features include a light socket, a wall pushbutton and light lens. The radio control includes a digital receiver, a digital transmitter and a light time delay which automatically turns the light off 2 minutes, 16 seconds after the door stops in the open or closed position.

MODEL PRO-130 is equipped with a ⅓ HP, 120 volt, 60 Hz power unit. Features include a light socket, a wall pushbutton and light lens. The radio control includes a digital receiver, a digital transmitter and a light time delay which automatically turns the light off 2 minutes, 16 seconds after the door stops in the open or closed position. At the rear, a pull-chain switch is provided for independent control of the light.

CAUTION: It is recommended the power source be disconnected whenever the power unit cover is removed.



Serial number located on top of power unit. The model number is located behind light lens.

FIG. 1

Tools and Materials Required

As you are installing your Genie garage door opener, the various hand tools required to properly install your garage door opener will be referred to in the instructions that follow. The minimum tools required are illustrated in FIG. 2. Materials required for mounting your opener are detailed on page 8.

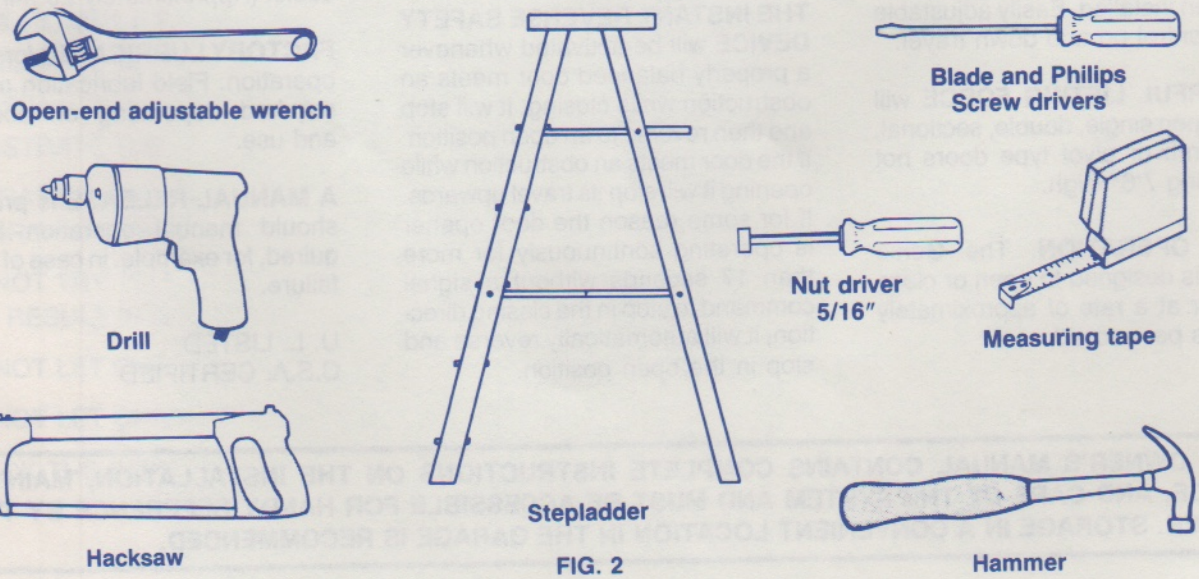
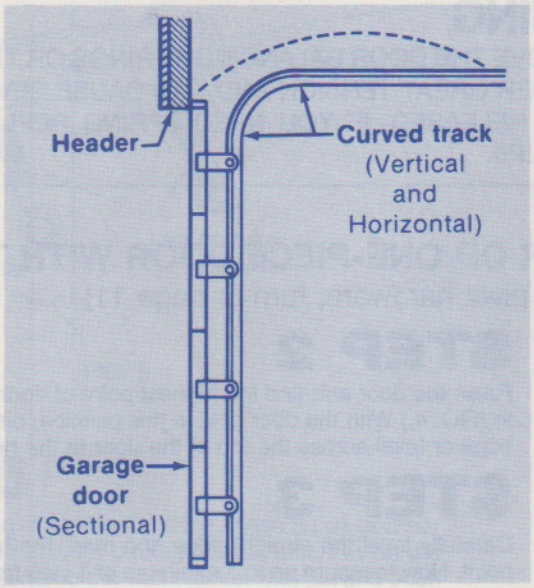


FIG. 2

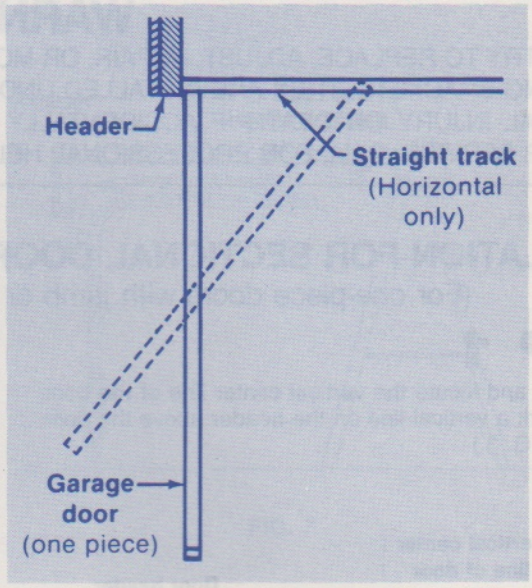
TO INSTALL YOUR "GENIE®"

Determine Type of door on which your Genie garage door opener is to be installed by studying the illustrations below.

Type 1
(Sectional door with curved track hardware)

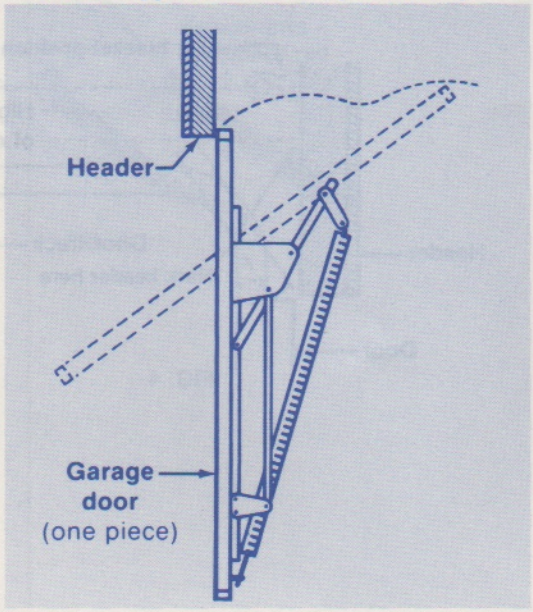


Type 2
(1-piece door with horizontal track hardware)

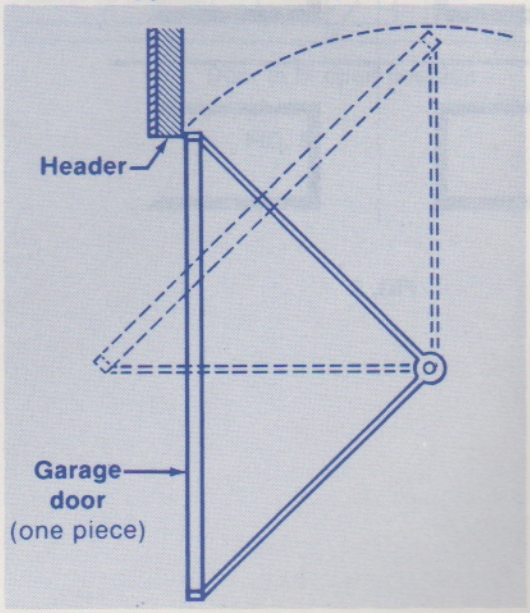


If your door is a Type 1 or Type 2 as shown above, turn to page 6 and start your installation with STEP 1.

Type 3
1-piece door with Jamb type hardware (No track)



Type 4
1-piece door with Pivot type hardware (No track)



If your door is a Type 3 or Type 4 as shown above, turn to page 11 and start your installation with Step A.

IMPORTANT

For safety and convenience it is recommended the garage door opener be installed 7 feet or more above the garage floor and the red emergency release knob be 6 feet above the garage floor.

CAUTION

Be certain the red emergency release cord and knob will not become entangled with a roof carrier or other protruding part of the garaged vehicle.

WARNING

DO NOT TRY TO REPLACE, ADJUST, REPAIR, OR MOVE THE DOOR BALANCING SPRINGS OR THEIR MOUNTING BRACKETS. THEY ARE INSTALLED UNDER GREAT TENSION AND CAN CAUSE SEVERE PERSONAL INJURY OR DEATH IF ACCIDENTALLY RELEASED. IF YOU NEED SPRING REPLACEMENT OR SERVICE, CALL FOR PROFESSIONAL HELP!!

INSTALLATION FOR SECTIONAL DOOR OR ONE-PIECE DOOR WITH TRACK

(For one-piece doors with jamb or pivot hardware, turn to page 11)

STEP 1

Close the door and locate the vertical center line of the door and plainly mark a vertical line on the header above the door as shown in (FIG. 3.)

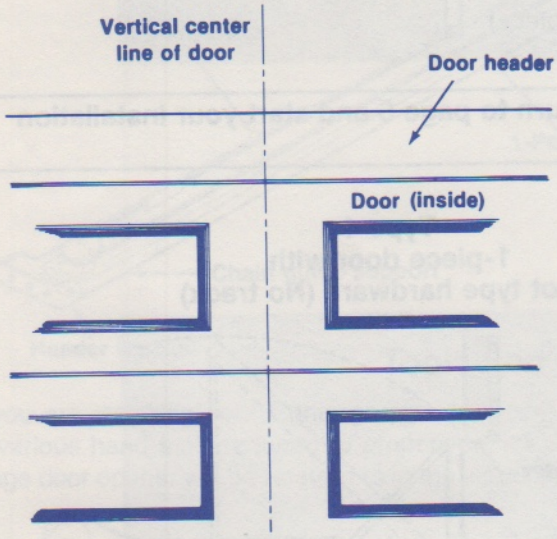


FIG. 3

STEP 2

Raise the door and find the highest point of door travel. Refer to (FIG. 4.) With the door held in this position, place a straight edge or level across the top of the door to the header.

STEP 3

Carefully level the straight edge and mark the header at this point. Now measure up to a minimum of 1 inch from this mark, and make a horizontal line "X" across the vertical line marked in Step 1. See Fig. 5.

A minimum of 1" is required; however, depending on garage door construction, the header bracket may be installed higher.

NOTE: If garage door torsion spring is encountered, install header bracket above or below the spring. DO NOT attempt to move or adjust the torsion spring.

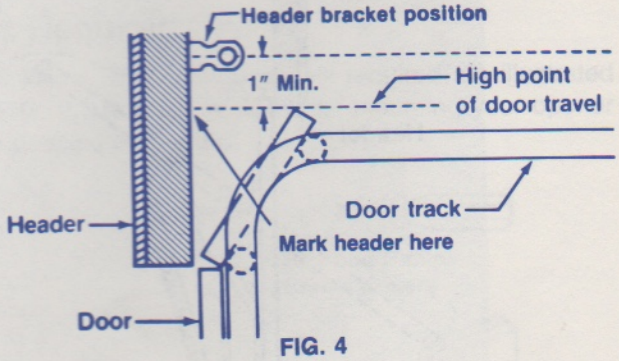


FIG. 4

STEP 4

With door closed, position the header bracket on the inside header above the door on line "X". (FIG. 5) Mark the location of the holes in header bracket and drill two 7/32″ diameter holes in the header. Fasten header bracket to header using two 5/16″ x 2″ lag screws. This bracket must be mounted securely.

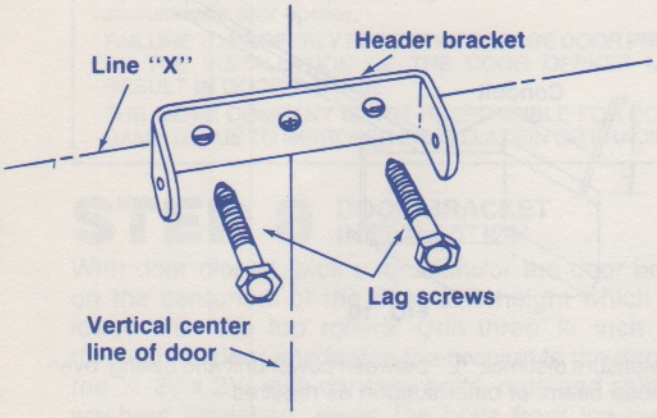


FIG. 5

STEP 5

Place power unit end of opener on floor. Place a box or other material beneath it to prevent damage to the unit. Fasten the header end of the opener to the wall bracket with pin and push nut as shown, (FIG. 6.).

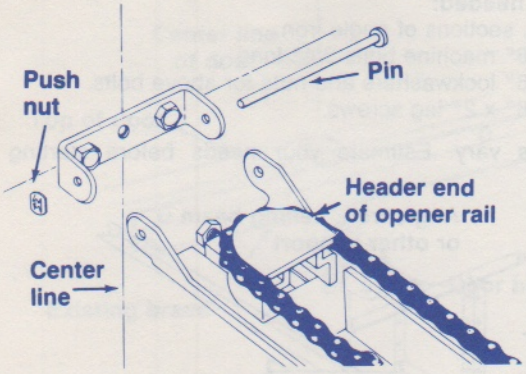


FIG. 6

STEP 6

Raise the power unit end of the opener and place it on top of your stepladder. Open the door to its fully open position. See FIG. 7. Temporarily shim the opener to desired height with blocks of wood keeping it in a position so that the rail is centered on center line of the door. See FIG. 8. Your ladder should now be free for other use.

NOTE: It is not necessary that the opener be perfectly level. Power unit may be mounted lower, if necessary. Be certain, however that the rail does not touch the door.

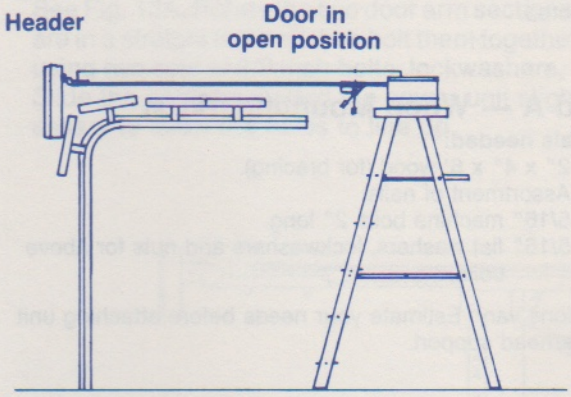


FIG. 7

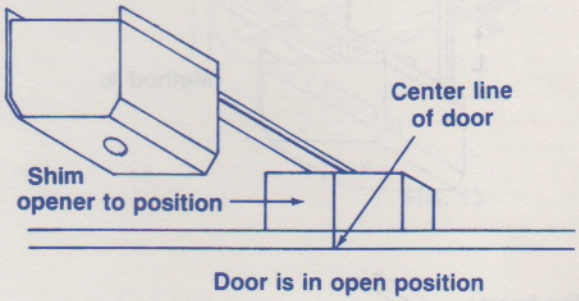


FIG. 8

POWER UNIT MOUNTING

Mounting materials for your Genie opener are not included with the unit due to many varied garage designs. The three most common types of mountings are illustrated, and estimated materials and mounting instructions are detailed for your installation.

Your Genie garage door opener can be mounted to the ceiling or overhead beams by using wood (2″x4″s), electrical conduit tubing, or angle iron. Decide which type of mounting best fits your needs, and follow the instructions for that type of mounting.

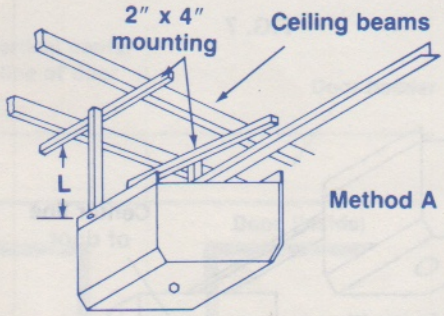
Important: Make certain the door opener remains centered with the center line of the garage door regardless of mounting type selected.

Method A — Wood Mounting (FIG. 9)

Materials needed:

*4 - 2″ x 4″ x 6′ wood (for bracing).
Assortment of nails.
2 - 5/16″ machine bolts 2″ long.
2 - 5/16″ flat washers, lockwashers and nuts for above bolts.

*Installations vary. Estimate your needs before attaching unit to the overhead support.



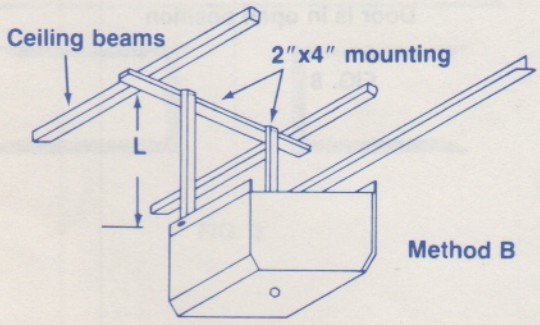


FIG. 9

1. Measure distance "L" between the top of the power unit and the ceiling, or overhead beam. Saw two 2x4s to this length "L".
2. Drill a 5/16″ hole in each 2x4 at the center, 1/2″ from the end. Use a 5/16″ x 2″ bolt, flatwasher, lockwasher, and nut and fasten each 2x4 to the holes in the power unit mounting brackets.
3. Nail other end of 2x4s securely to ceiling, overhead beams, or other support as required.
4. Proceed to Step 7, Page 9.

Method B — Conduit Mounting (FIG. 10)

Materials needed:

*2 - 3 ft. sections of 3/4″ thinwall conduit.
2 - 5/16″ machine bolts 3/4″ long.
2 - 5/16″ lockwashers and nuts for above bolts.
2 - 5/16″ x 2″ lag screws.

*Installations vary. Estimate your needs before starting installation.

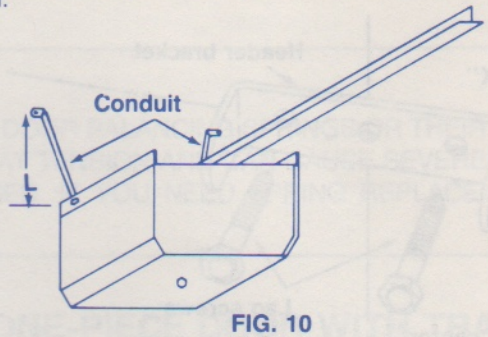


FIG. 10

1. Measure distance "L" between power unit and ceiling, overhead beam, or other support as required.
2. Cut two pieces of conduit to a length just beyond dimension "L" on both ends. Flatten both ends and drill a 5/16″ hole in each end.
3. Attach one end of conduit brackets to power unit mounting holes using the 5/16″ bolts, lockwashers, and nuts.
4. Attach other end of conduit brackets to ceiling mounting supports using 5/16″ lag screws. (Drill 7/32″ pilot holes).
5. Proceed to Step 7, Page 9.

Method C — Angle Iron Mounting (FIG. 11)

Materials needed:

*3 - 3 ft. sections of angle iron.
4 - 5/16″ machine bolts 3/4″ long.
4 - 5/16″ lockwashers and nuts for above bolts.
2 - 5/16″ x 2″ lag screws.

*Installations vary. Estimate your needs before starting installation.

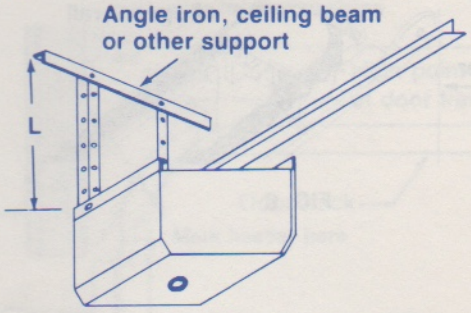


FIG. 11

1. Measure distance "L" from top of power unit to ceiling, overhead beam, or other support. Cut two pieces of angle iron to this dimension.
2. Cut a piece of angle iron to the length required and mount to ceiling or overhead beam at desired location using 5/16″ lag screws. (Drill 7/32″ pilot holes.)
3. Drill a 5/16″ hole in both ends of the two pieces of angle iron to accommodate the mounting holes on motor control unit and ceiling mounting bracket.
4. Attach angle iron brackets from power unit mounting holes to ceiling mounting bracket using 5/16″ bolts, lockwashers, and nuts.

STEP 7 DOOR BRACE INSTALLATION

CAUTION: TO PREVENT DAMAGE, ALL FIBERGLASS, METAL, AND LIGHTWEIGHT WOOD OR MASONITE DOORS MUST BE BRACED PRIOR TO INSTALLING THE DOOR BRACKET.

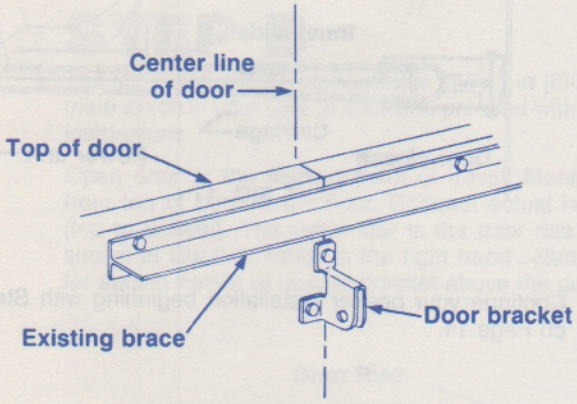
Contact the manufacturer of the door or a local dealer for instructions as to the proper bracing required for installation of an automatic door opener.

FAILURE TO PROPERLY BRACE THE GARAGE DOOR PRIOR TO THE INSTALLATION OF THE DOOR OPENER MAY RESULT IN DOOR DAMAGE.

THE GENIE COMPANY IS NOT RESPONSIBLE FOR DOOR DAMAGE DUE TO IMPROPER INSTALLATION OR BRACING.

STEP 8 DOOR BRACKET INSTALLATION

With door closed, pick a location for the door bracket on the centerline of the door at a height which is no lower than the top rollers. Drill three ¼ inch holes through the door and fasten the bracket to the door with the ¼-20 x 2½ inch carriage bolts, nuts and split lockwashers furnished. Insert the bolts from the outside. NOTE: If your door already has a metal brace across the top, mount door bracket below the brace. Do not cut or tamper with the brace. Bracket may be reversed if necessary. Saw off excess length of these bolts. See Fig. 12.



Door with existing brace
FIG. 12

STEP 9 DOOR ARM INSTALLATION

Connect the straight door arm piece to the carriage with a clevis pin and cotter pin, using the end of the arm which has the single hole spaced away from the other thirteen holes. Split the legs of the cotter pin with your pliers to retain it. Do not bolt the two door arms together at this time. See Fig. 13.

Next attach the curved end of the curved door arm to the door bracket as shown in Fig. 13. Use clevis pin and cotter pin, again splitting the cotter pin legs.

Now slide the carriage along the rail until the two clevis pins are between six and nine inches apart horizontally. See Fig. 13A. Rotate the two door arm sections until they are in a straight line and then bolt them together securely using two sets of 3/8 inch bolts, lockwashers, and nuts. Slide the carriage toward the power unit slightly if necessary to allow the holes to line up.

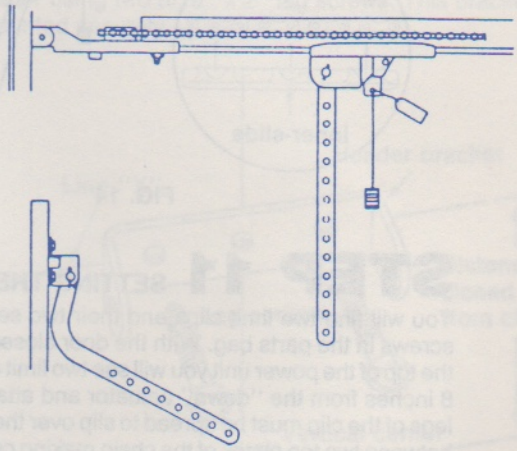


FIG. 13

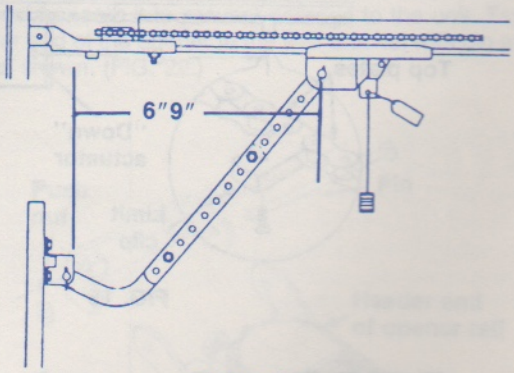


FIG. 13A

STEP 10

Operate the door manually up and down to make certain that the door arm and door bracket move freely without any problems before proceeding.

With the garage door in the closed position, remove the inner-slide from the chain and re-attach it to a position on the chain which is 8 inches approximately from the center of the carriage. See FIG. 14.

IMPORTANT:
The inner slide must be on the left side of the chain viewing from the door end of the rail. The inner slide snaps into the chain with the slotted side toward the garage floor, and the toothed side towards the rail.

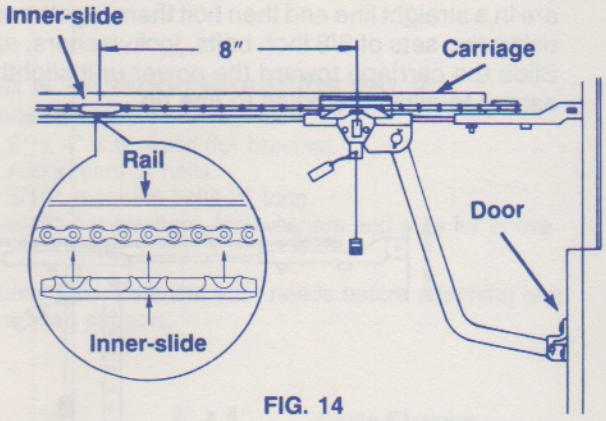


FIG. 14

STEP 11 SETTING THE DOWN LIMIT

You will find two limit clips and their two self-tapping fastener screws in the parts bag. With the door closed and viewing from the top of the power unit you will see two limit actuators. Measure 8 inches from the "down" actuator and attach a limit clip. The legs of the clip must be spread to slip over the chain in the space between two top plates of the chain making certain that the larger hole in the limit clip is toward the floor. Then thread the self-tapping screw into the limit clip to secure the clip firmly in place on the chain. See Fig 15.

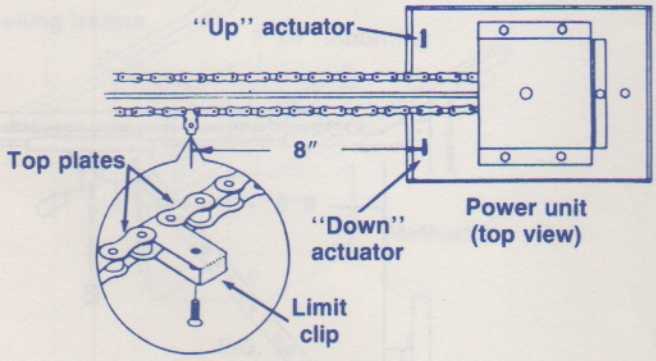


FIG. 15

STEP 12

Be certain the emergency release remains disengaged. Manually open the garage door. Measure the distance between the "Up" actuator and the middle of the carriage, (FIG. 16.) (NOTE: The inner slide will remain stationary during this step.)

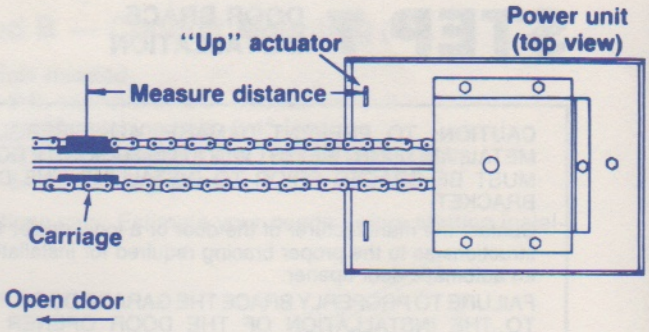


FIG. 16

STEP 13 SETTING THE UP LIMIT

Manually close the garage door. Measuring from the center of the inner-slide toward the power unit, attach the other limit clip to the chain at the same distance measured above. With the larger hole in the limit clip toward the floor, spread the limit clip legs enough to slip over the the chain and secure it firmly to the chain with the self-tapping screw. See Fig. 17.

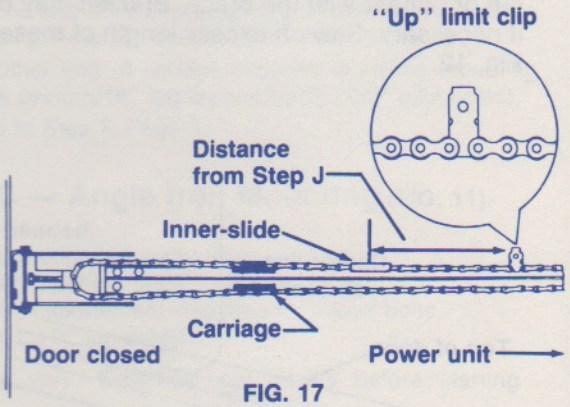


FIG. 17

Continue your opener installation beginning with Step 14-M on Page 14.

INSTALLATION INSTRUCTIONS FOR ONE-PIECE DOORS WITH JAMB OR PIVOT HARDWARE ONLY

STEP A

Fully close the door and locate the vertical center line of the door and plainly mark a vertical line on the header above the door as shown in (FIG. 19.)

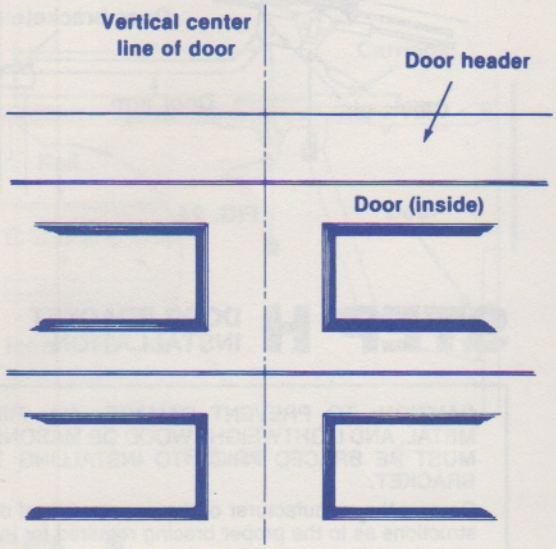


FIG. 19

STEP B

The jamb and pivot type doors are shown in (FIG. 20.) Determine which is your type of door and proceed with the following instructions.

Open door to the highest point of travel. Measure distance from top of door to the floor. Subtract actual height of door (top to bottom). The remainder is the door rise in inches as shown in Chart 1. Refer to the right hand column of Chart 1 for setting height of header bracket above the door.

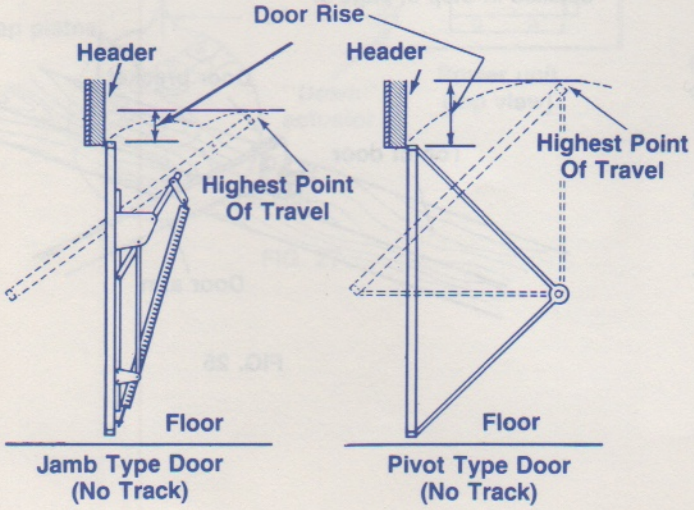


FIG. 20

Chart 1

Door Rise in Inches	Location of Header Bracket Above Top Edge of Closed Door
4 to 8	10″ to 15″
8 to 12	15″ to 20″

STEP C

Using the dimension in Chart 1 for the door rise determined in Step B draw a horizontal line "x" intersecting the vertical center line of the door. See (FIG. 21.) Position the header bracket on the header above the door on line "x" as shown. Mark the location of the holes in header bracket and drill two 7/32″ diameter holes in the header. Fasten header bracket to header using two 5/16″ x 2″ lag screws. This bracket must be mounted securely.

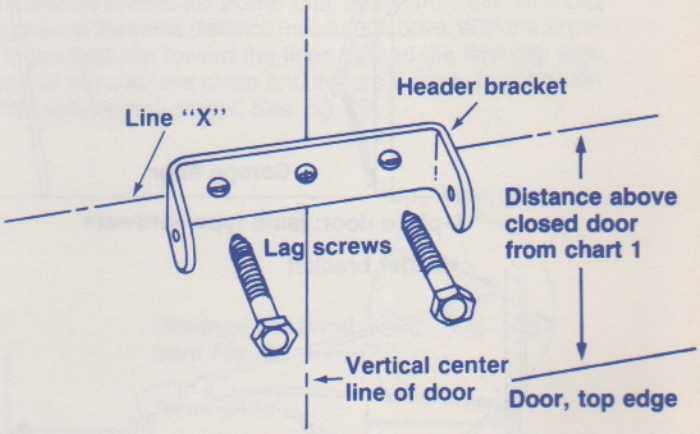


FIG. 21

STEP D

Place power unit end of opener on floor. Place a box or other material beneath it to prevent damage to the unit. Fasten the header end of the opener to the wall bracket with pin and push nut as shown. (FIG. 22.)

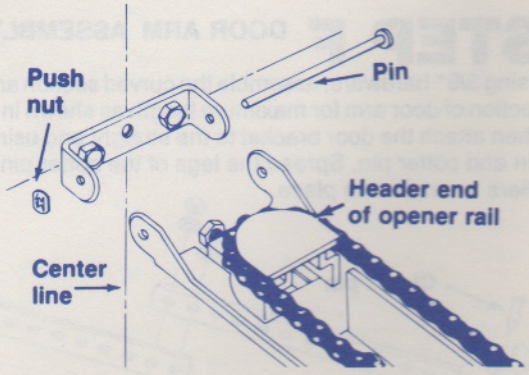


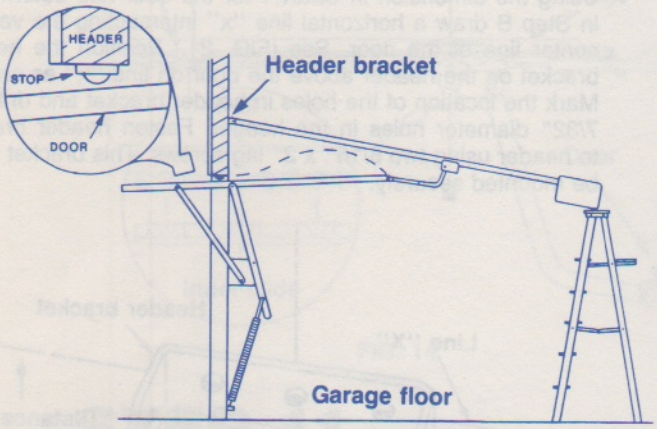
FIG. 22

STEP E

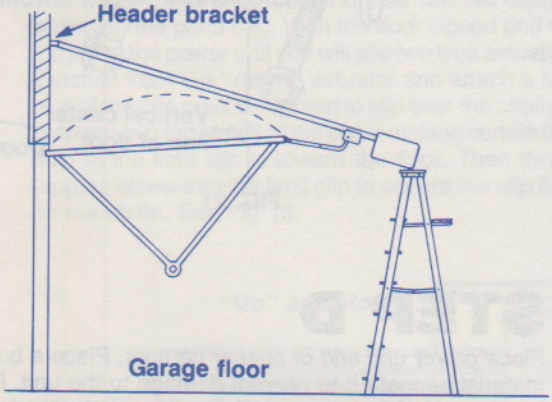
Raise the opener power unit end and place on top of a step ladder. Open the door fully. Adjust the height of the power unit allowing about an inch of clearance between the highest point of door travel and the opener rail as shown below. Make certain that the fully open door does not travel past the horizontal position. If it does pass the horizontal, stops must be added to prevent this. Rubber bumpers (not supplied) attached to the door frame as shown below are recommended.

NOTE: Plan your installation so that when you attach the door arm (in the next step) the arm will slope downward slightly toward the power unit when the door is fully open. This will enable the door arm to push upward on the top edge of the door as it starts to close the door.

Mount the power unit to the ceiling using one of the procedures described on page 8.



1-piece door: jamb type hardware



1-piece door: pivot type hardware

FIG. 23

STEP F DOOR ARM ASSEMBLY

Using 3/8″ hardware, assemble the curved section and straight section of door arm for maximum length as shown in FIG. 23A. Then attach the door bracket to the straight end using a clevis pin and cotter pin. Spread the legs of the cotter pin with your pliers to retain it in place.

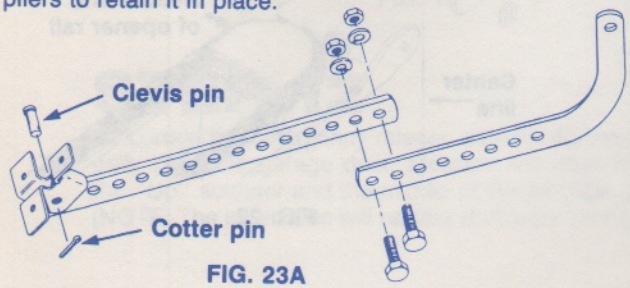


FIG. 23A

STEP G DOOR ARM INSTALLATION

Slide the carriage toward the door end of the rail unit until it is in the approximate location shown in FIG. 24. Connect the curved end of the door arm to the carriage using a clevis pin and cotter pin.

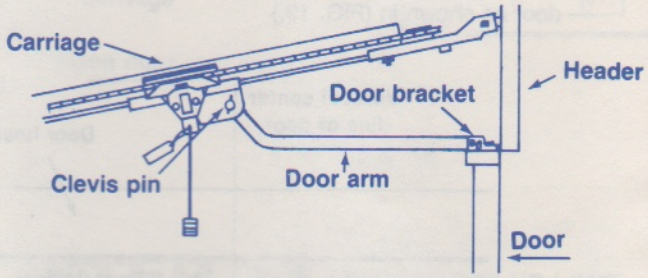


FIG. 24

STEP H DOOR BRACKET INSTALLATION

CAUTION: TO PREVENT DAMAGE, ALL FIBERGLASS, METAL, AND LIGHTWEIGHT WOOD OR MASONITE DOORS MUST BE BRACED PRIOR TO INSTALLING THE DOOR BRACKET.

Contact the manufacturer of the door or a local dealer for instructions as to the proper bracing required for installation of an automatic door opener.

FAILURE TO PROPERLY BRACE THE GARAGE DOOR PRIOR TO THE INSTALLATION OF THE DOOR OPENER MAY RESULT IN DOOR DAMAGE.

THE GENIE COMPANY IS NOT RESPONSIBLE FOR DOOR DAMAGE DUE TO IMPROPER INSTALLATION OR BRACING.

If the door already has a brace across the top, refer to FIG. 25. Locate door bracket on center line on top of door. Mark location of mounting holes and drill three 1/4″ diameter holes in door. Fasten door arm bracket to door using the 1/4″ – 20 – 2-1/2″ carriage bolts, lockwashers, and 1/4″ – 20 nuts. If the door arm is not long enough for your particular installation, extension kits are available from your dealer. Specify DO Kit Q.

NOTE: Should door construction prevent locating bracket on top of door, it may be mounted on the inside top of door as detailed in Step 8, page 9.

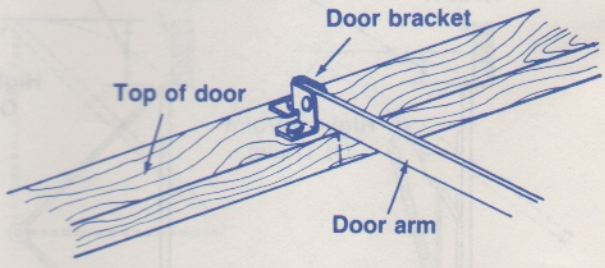


FIG. 25

STEP I

With the garage door in the closed position, remove the inner slide from the chain and re-attach it to a position on the chain which is approximately 8 inches from the center of the carriage. See Fig. 26.

IMPORTANT: The inner slide must be on the left side of the chain when viewed from the door end of the rail. The inner slide snaps into the chain with the slotted side toward the garage floor, and the toothed side towards the rail.

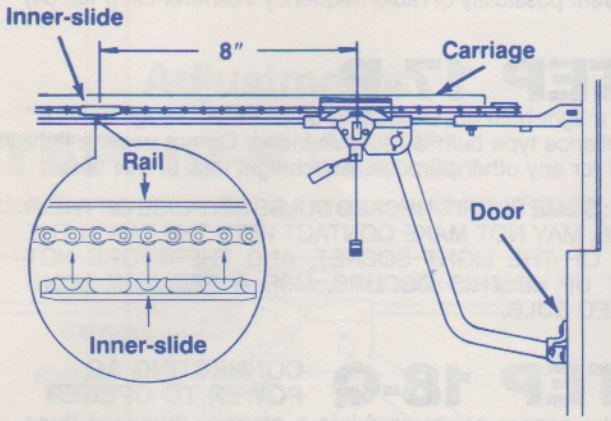


FIG. 26

STEP J SETTING THE DOWN LIMIT

You will find two limit clips and their two self-tapping fastener screws in the parts bag. With the door closed and viewing from the top of the power unit you will see two limit actuators. Measure 8 inches from the "down" actuator and attach a limit clip. The legs of the clip must be spread to slip over the chain in the space between two top plates of the chain making certain that the larger hole in the limit clip is toward the floor. Then thread the self-tapping screw into the limit clip to secure the clip firmly in place on the chain. See Fig. 27.

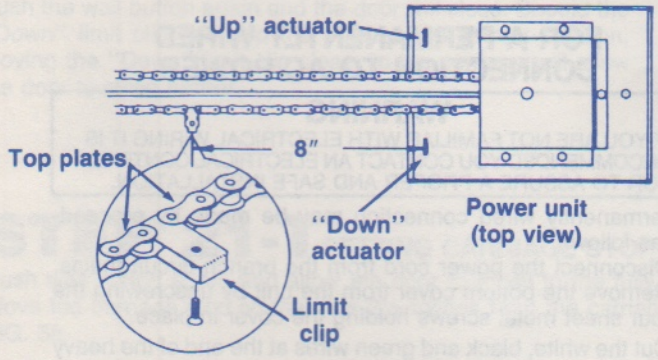


FIG. 27

STEP K

Be certain the emergency release lever remains disengaged. Manually open the garage door. Measure the distance between the "Up" actuator and the middle of the carriage, (FIG. 28.) (NOTE: The inner slide will remain stationary during this step.)

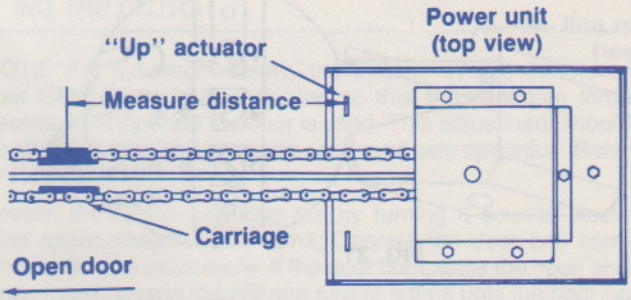


FIG. 28

STEP L SETTING THE UP LIMIT

Manually close the garage door. Measuring from the center of the inner-slide toward the power unit, attach the other limit clip to the chain at the same distance measured above. With the larger hole in the limit clip toward the floor, spread the limit clip legs enough to slip over the chain and secure it firmly to the chain with the self-tapping screw. See Fig. 29.

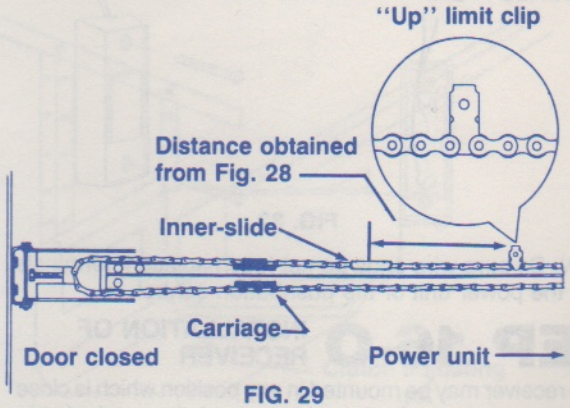


FIG. 29

Continue your opener installation beginning with Step 14-M on Page 14.

STEP 14-M INSTALLING PUSHBUTTON WALL CONTROL

Remove about 1/2″ of insulation from conductors on one end of pushbutton wire and connect to terminals #1 and #2 on rear of power unit, (FIG. 31.)

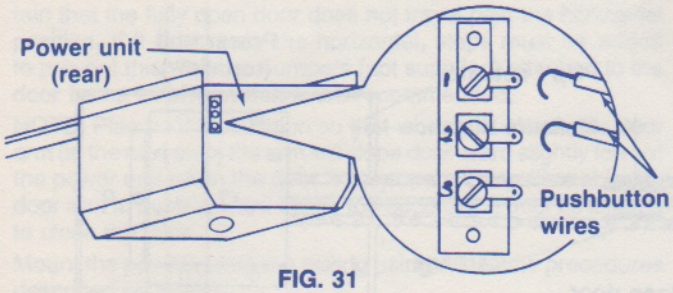


FIG. 31

CAUTION: Be sure wire ends do not touch adjacent terminals on either the power unit or the pushbutton control.

STEP 15-N

(NOTE: It is recommended the wall pushbutton be mounted out of reach of children. The wall pushbutton should be out of the area or path of the moving garage door and supporting hardware.)

Cut wire to desired length at wall pushbutton and remove about 1/2″ insulation from conductors and connect to terminals on pushbutton. See Fig. 32. Attach pushbutton to wall using the two screws provided. MOUNT CAUTION LABEL NEAR THE WALL PUSHBUTTON.

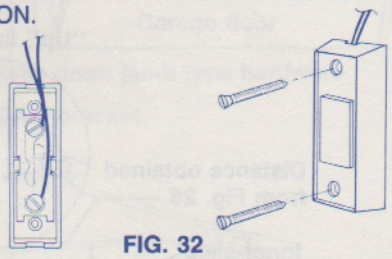


FIG. 32

CAUTION: Be sure wire ends do not touch adjacent terminals on either the power unit or the pushbutton control.

STEP 16-O INSTALLATION OF RECEIVER

The radio receiver may be mounted in any position which is close enough to the power unit for the cable to reach the terminal strip on the power unit. However, do not mount the receiver on the power unit. Allow the antenna to hang straight down. See Fig. 33.

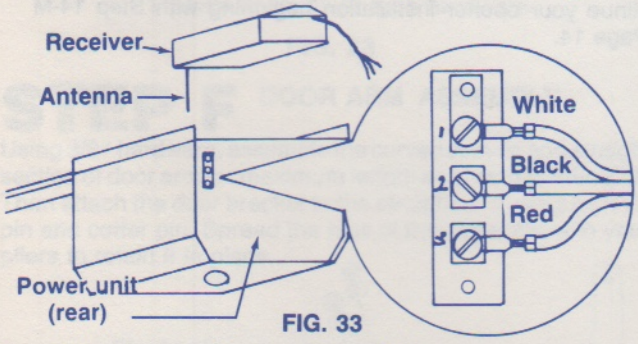


FIG. 33

Connect the three conductor cable as follows:

(A) The white wire to #1 terminal of door opener
(B) The black wire to #2 terminal of door opener
(C) The red wire to the #3 terminal of door opener

CAUTION: BE SURE WIRE ENDS DO NOT TOUCH EACH OTHER OR ADJACENT TERMINALS.

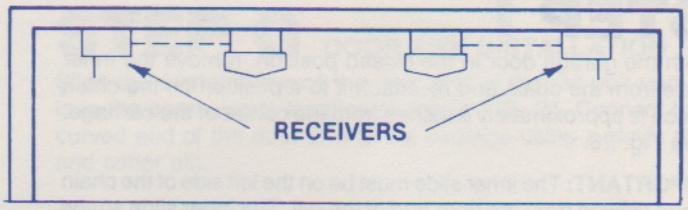


FIG. 34

It is recommended when two openers are installed "side by side" the radio receivers should be installed as shown in order to prevent possibility of radio frequency interference. (FIG. 34)

STEP 17-P

Install a light bulb not exceeding 60 watts. A "rough service" or appliance type bulb is recommended. Do not use the light socket for any other purpose. Attach light lens at this time.

NOTE: SOME SHORT-NECKED BULBS BECAUSE OF THEIR SHAPE, MAY NOT MAKE CONTACT WITH THE TAB IN THE BASE OF THE LIGHT SOCKET, AND THEREFORE NOT LIGHT UP. IF THIS OCCURS, USE A REGULAR LONG NECKED BULB.

STEP 18-Q CONNECTING AC POWER TO OPENER

Plug the opener power cord into a properly grounded three prong receptacle as shown in (FIG. 35.) If a three-prong receptacle is not available, it is recommended that one be installed by your local electrical contractor.

WARNING
DO NOT UNDER ANY CIRCUMSTANCES CUT OR REMOVE THE ROUND GROUNDING PRONG FROM THE PLUG.

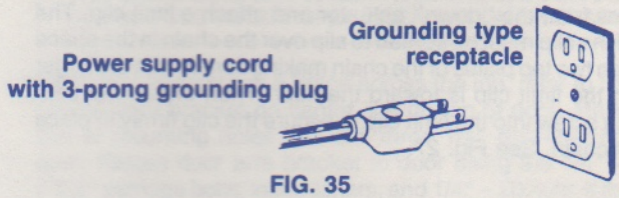


FIG. 35

FOR A PERMANENTLY WIRED CONNECTION TO AC POWER

WARNING
IF YOU ARE NOT FAMILIAR WITH ELECTRICAL WIRING IT IS RECOMMENDED YOU CONTACT AN ELECTRICAL CONTRACTOR TO ASSURE A PROPER AND SAFE INSTALLATION.

A permanently wired connection may be made by proceeding as follows:

1. Disconnect the power cord from the branch circuit mains. Remove the bottom cover from the unit by unscrewing the four sheet metal screws holding the cover in place.
2. Cut the white, black and green wires at the end of the heavy insulation of the power cord. Strip 1/2″ of insulation off of the white wire. Unscrew the green wire from the motor end bell and discard it. Disconnect the black wire at the wire nut and discard it.
3. Using pliers, remove the strain relief plug (and the power cord) from the operator head from the outside.
4. Push out the knock-out plug and route the 120 Volt, 60 Hz wires through the power supply entrance using a suitable conduit connector.

5. Pull the white, black and ground wires through the conduit and, if necessary, strip 1/2″ of insulation from the ends of the 3 wires. Secure the ground wire to the motor end bell with the green screw. Use UL recognized wire nuts to connect the black and white wires to the matching colored wires inside the operator head, after stripping approximately 1/2″ of insulation.
6. Lock conduit into the operator head and connect wires and conduit to the junction box at the power source.

NOTE: ALL PERMANENT WIRING SHOULD BE INSTALLED IN ACCORDANCE WITH LOCAL ELECTRICAL CODES.

Adjustments

STEP 19-R LIMIT CLIP ADJUSTMENT

Pull down on red release cord and release straight up. (FIG. 36)

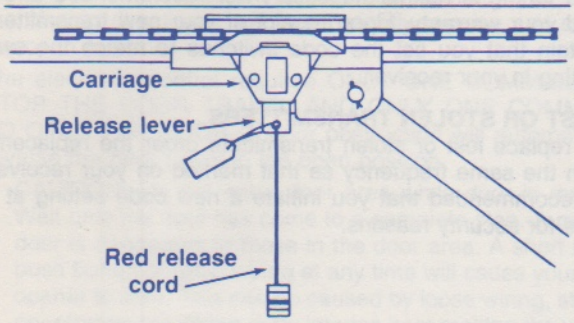


FIG. 36

Manually open the garage door until the carriage locks onto the inner slide. Press the wall pushbutton. The motor will start and the garage door will open. Should the "Up" limit clip not stop the door at the correct position, this clip can be moved accordingly. Moving the "Up" limit closer to the carriage will allow the door to open higher.

Push the wall button again and the door will close. Should the "Down" limit clip not stop the door at the correct position, moving the "Down" limit clip closer to the carriage will allow the door to close further.

STEP 20-S INSTANT SAFETY REVERSE/CLUTCH ADJUSTMENT

WARNING
TO PREVENT AN ACCIDENT, DISCONNECT THE AC POWER TO THE DOOR OPENER BEFORE ADJUSTING THE CLUTCH.

NOTE: For maximum safety, the instant reverse feature of your GENIE should be adjusted so that the minimum force necessary to operate the door is used. This adjustment should be checked regularly to assure continued safe operation. Refer to FIG. 37.

Loosen the clutch adjusting nut by turning it counter-clockwise approximately three turns. Operate the door one complete open and close cycle. If the door completes the open and close travel, loosen the nut one turn at a time until the door no longer completes the entire open and close cycle.

Now, tighten the adjusting nut one-half turn at a time until reliable opening and closing is achieved. Turn the adjusting nut an additional one-half turn. This completes the adjustment.

To check the adjustment, as the door is closing (nearly closed), attempt to reverse the door travel by holding up on the bottom edge of the door. If the force required to reverse the travel is excessive, re-check the adjustment.

CAUTION: Do not stand in the direct patch of a moving door. Do not allow hands or feet to become trapped under the door.

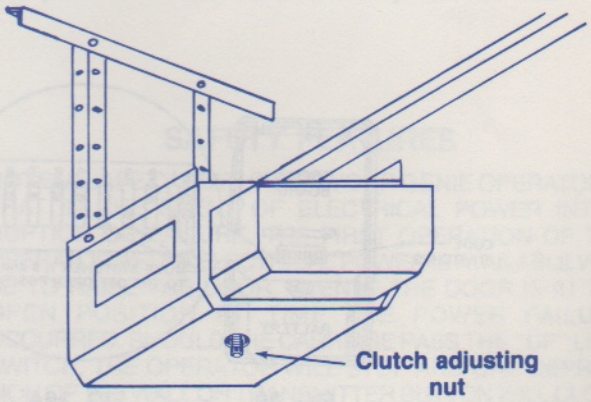


FIG. 37

STEP 21-T SETTING CARRIAGE STOP

Push wall button again and allow the door to travel to the fully open position where it will stop when it reaches the upper limit. Move the carriage stop so that it is 2½ inches from the carriage and tighten it securely to the rail with its mounting screw. See FIG. 38.

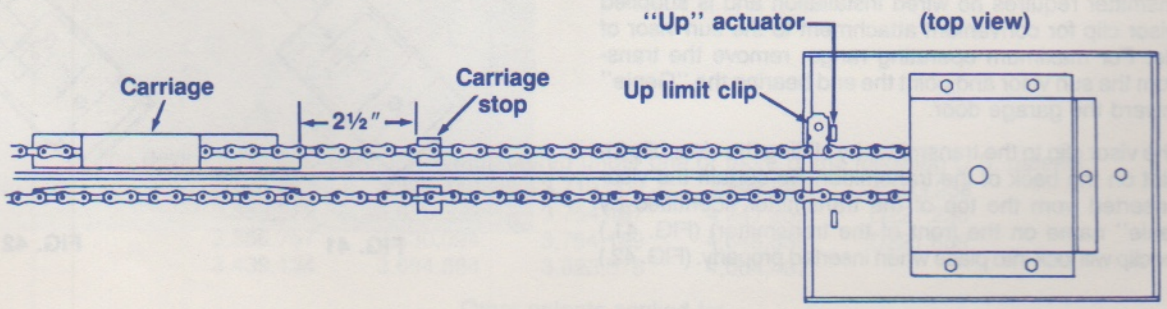


FIG. 38

STEP 22-U

RADIO CONTROL CODING INSTRUCTIONS

IMPORTANT: BEFORE CODING YOUR RADIO SYSTEM, FIRST TEST IT "AS RECEIVED." Then follow instructions below.

Your Genie digital radio control has been shipped from the factory with all switches "on/closed". The digital code is determined by the 9 small switches that are located inside the transmitter(s) and receiver. For maximum security select your own private code setting. (Do not use common codes such as all switches "on/closed" or "off/open" or alternating every other switch.)

Transmitter Coding — AT-85 (AT-85CAN in Canada)

1) Remove screw holding cover and remove cover. The code switches will appear as in Fig. 39.
2) As an example, we will select a code setting by alternating switches 1, 3 & 4 to the "off/open" position. A ballpoint pen will achieve this purpose. FIG. 39A.
3) Note the position of 9 switches then replace cover and tighten screw.

Receiver Coding — AR-85 (AR-85CAN in Canada)

1) Remove the receiver cover by pressing inward on the sides and pulling up (releasing the two tabs on the long sides of the cover.) The code switches will appear as in Fig. 40.
2) Using a ballpoint pen set the switches in identical "on/closed" or "off/open" positions as you have set on your transmitter(s). (See FIG. 40A.)
3) Snap cover back on receiver base.

TO REPLACE TRANSMITTER BATTERY

Remove single screw from the back of the transmitter and open the case to expose the battery. Use Eveready NO. 216 or equivalent 9 volt NEDA #1604. Mercury cells are not recommended.

ADDITIONAL TRANSMITTERS

If you need an additional transmitter, be sure you order one with the same frequency as that marked on either your present transmitter or your receiver. This will be a three digit number such as 315 or 390, for instance. Matching these numbers assures that your equipment will be tuned to the same channels. These units are factory tuned to exacting standards and field tuning is neither necessary nor recommended and will void your warranty. Upon receipt of your new transmitter be certain that you set the code switches to match the switch setting in your receiver.

LOST OR STOLEN TRANSMITTERS

To replace lost or stolen transmitters order the replacement with the same frequency as that marked on your receiver. It is recommended that you initiate a new code setting at this time for security reasons.

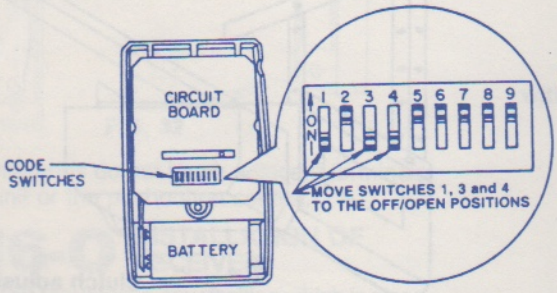


FIG. 39 FIG. 39A

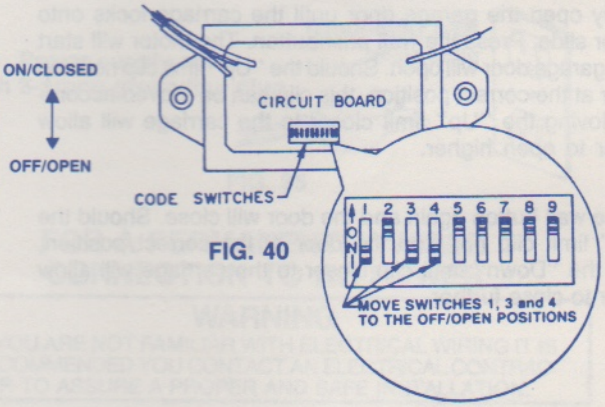


FIG. 40 FIG. 40A

STEP 23-V

INSTALLATION OF TRANSMITTER

The transmitter requires no wired installation and is supplied with a visor clip for convenient attachment to the sun visor of a vehicle. For maximum operating range, remove the transmitter from the sun visor and point the end bearing the "Genie" name toward the garage door.

Attach the visor clip to the transmitter by sliding the visor clip into the slot on the back of the transmitter. Be certain the visor clip is inserted from the top of the transmitter (identified by the "Genie" name on the front of the transmitter) (FIG. 41.) The visor clip will lock into place when inserted properly. (FIG. 42.)

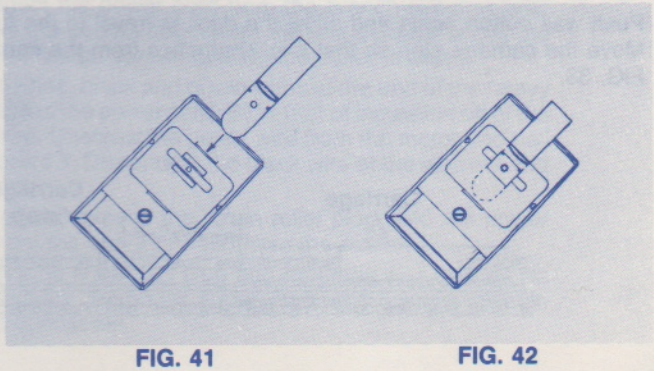


FIG. 41 FIG. 42

GENERAL OPERATING INSTRUCTIONS
TROUBLE-SHOOTING

Your Genie Garage Door Opener System has been designed to give you many years of satisfactory service. For best performance and maximum safety, your garage door should be maintained in proper working condition. The door should be balanced and work smoothly by hand.

A. NEW SAFETY CONTROL OPERATING INSTRUCTIONS

Properly pressing either your wall push button or your radio transmitter button will start or stop your garage door in any position. After the door travel is stopped in one direction, the next mode of travel will be in the opposite direction. A door obstruction during closing will reverse the door travel to the open position. Check often to make sure this safety reverse mechanism is in proper working order.

If for some reason the door opener operates continuously for more than 17 seconds without a signal command to stop in the closing direction it will automatically reverse and stop in the open position.

The electronic control requires ONLY ONE COMMAND TO STOP THE DOOR TRAVEL AND ONLY ONE COMMAND TO OPEN THE DOOR. A door obstruction will automatically reverse the door travel to the open position.

CAUTION: Do not enter door area while door is moving. Wait until the door has come to a complete stop. A moving door is dangerous to those in the door area. A short in the push button or radio wiring at any time will cause your door opener to start. This can be caused by loose wiring, staples penetrating the wiring or by intense heat melting the wiring. This does not mean the operator is defective. It will operate properly when the fault is cleared.

B. MOTOR PROTECTOR

Motor Protection feature keeps the motor from overheating. If door has been opened and closed a number of times in succession, the cut-off feature will render the opener inoperable until motor cools. (Approximately 20 minutes).

C. LIGHT OPERATIONS

Models PRO-125 and PRO-130 are equipped with one light socket. A rough service light bulb is recommended (no larger than 60 watts). Lighting circuit will be damaged if over loaded or used for other purposes. The light turns on when the motor starts and remains on for 2 minutes, 16 seconds in door open and closed position.

D. EMERGENCY RELEASE

FOR MANUAL OPERATION, PULL DOWN RED EMERGENCY RELEASE KNOB.

E. LUBRICATION

Factory lubricated for proper operation. Field lubrication may be required depending on conditions of use.

F. TRANSFERRING RADIO TRANSMITTER

The Genie transmitter requires no installation and can be transferred from one car to another.

TROUBLE-SHOOTING

1. Periodic checking of the door and door opener operation is recommended for maximum performance and safety. For best performance and maximum safety, your garage door should be maintained in proper working condition.
2. If the door opener does not operate from the wall pushbutton, but does from the transmitter inspect the wire from the wall push button for a broken conductor wire. If the opener does not operate from the radio control or the wall pushbutton:
   1. Remove power from the unit, disconnect the radio receiver and wall pusbutton wires.
   2. Connect power, short across terminal No. 1 and No. 2.
      a. Motor should run, if so, one of the wires removed in Step No. 1 is shorted.
      b. If motor does not run problem is inside motor cover contact your dealer or the nearest GENIE service dealer for service.

SERVICE

The Genie Company has trained hundreds of independent Service Dealers in the installation, repair and maintenance of the Garage Door Opener System and Radio Controls.

Please note: The Service Dealers are not warranty stations and must be paid for their service.

Call your Dealer for "out of warranty" service also.

SAFETY FEATURES

NOTE: A SAFETY FEATURE OF YOUR GENIE OPERATOR IS THAT IN THE EVENT OF ELECTRICAL POWER INTERRUPTION OR FAILURE, THE FIRST OPERATION OF THE OPERATOR AFTER ELECTRICAL POWER IS AVAILABLE WILL BE TO RAISE THE DOOR, EVEN IF THE DOOR IS IN THE OPEN POSITION AT TIME THE POWER FAILURE OCCURRED. SHOULD THE CARRIAGE PASS THE "UP" LIMIT SWITCH, THE OPERATOR WILL STOP AND ONE DEPRESSION OF THE WALL OR TRANSMITTER BUTTON WILL CLOSE DOOR AND UNIT WILL RESUME NORMAL OPERATION.

AN ADDITIONAL GENIE SAFETY FEATURE ASSURES THAT IN THE EVENT THE GARAGE DOOR DOES NOT COMPLETE FULL UP OR DOWN TRAVEL WITHIN 17 SECONDS, THE MOTOR WILL TURN OFF AUTOMATICALLY. IF THIS CONDITION OCCURS DURING THE CLOSING CYCLE THE MOTOR WILL AUTOMATICALLY REVERSE DOOR TO THE OPEN POSITION. DURING THE OPENING CYCLE THE DOOR WILL STOP.

The device described herein is manufactured under one or more of the following U.S. patents:

3,178,627	3,579,240	3,719,005	3,898,582	4,103,238
3,333,272	3,625,328	3,754,187	4,041,259	D221,226
3,366,757	3,630,094	3,754,189	4,048,630	D221,859
3,439,134	3,694,664	3,823,378	4,064,487	

Other patents applied for

TROUBLESHOOTING GUIDE

If you have operational problems with your system, please try to correct the problem by using the following guide. If the problem persists, call your Genie dealer, or call The Genie Company, (216) 821-1221. Be certain to indicate your opener model number. The location of the model number is noted on Page 4.

Symptom	Remedy
Opener does not run from wall pushbutton.	1. Check 120-volt power source by plugging a lamp into the receptacle being used for the opener. If lamp operates, the voltage to the opener is OK. If lamp does not light, check fuses or circuit breaker. 2. Remove front lens on power unit. Remove power from the operator . . . Reapply power. Disconnect the lead wire attached to terminal 2. Connect a jumper momentarily across terminals 1 and 2 where wall pushbutton control wires are connected. If opener starts, the pushbutton is defective or wire to wall pushbutton is broken or shorted. Repair or replace the defective item. Reconnect the lead wire to terminal 2. 3. Motor may be overheated. Wait 10 to 20 minutes, then press wall pushbutton.
Opener works from wall pushbutton, but not from the transmitter.	1. Check labels to make sure that if the transmitter is a Model AT85, then the receiver must be Model AR-85. If the transmitter is a Model AT-85CAN, then the receiver must be a Model AR-85CAN. 2. Make sure code switches on the transmitter and the receiver coincide with each other. (See page 16). 3. If there are two transmitters and neither one works, the trouble is in the radio receiver. If this is the case, call your serviceman. If only one transmitter works, check for a defective battery or mismatched code switch settings; or try changing the code switch settings in all three units. See "Code Selection" instructions on page 16.
Less than 25 ft. operating range with transmitter	1. Replace transmitter battery. 2. Move receiver to different mounting location on ceiling. Do not attempt to tune transmitter or receiver.
Door is activated for no apparent reason.	1. Check for short circuit in wire to wall control pushbutton. Make sure staples holding wire to wall have not cut the insulation. 2. Try changing codes in transmitter and receiver. See "Code Selection" instructions on page 16.
Door starts down and stops before closed.	1. Check manual operation of door. 2. Check setting of DOWN limit clip per instructions (Step 11, page 10; Step I, page 13) for your type of door.
Door starts up and stops before it opens.	1. Check manual operation of door. 2. Check setting of limit clips per instructions (Steps 11, 12 & 13, page 10 or Steps J, K & L, page 13) for your type of door. 3. Check clutch adjustment.
Door reverses going down and/or stops on way up.	1. Check clutch adjustment. Adjust if necessary per instructions on page 15.
Door does not quite open or close completely.	1. Check to make sure that there is no obstruction preventing door from opening or closing. 2. Check setting of limit clips per instructions (Steps 11, 12 & 13, page 10 or Steps J, K & L, page 13) for your type of door. 3. Slight movement of the limit clips, in either direction, from their current position will alter the stopping position of the door.
Lamp on Model PRO-130 won't shut off.	1. Operate the pull-chain light switch at the rear of the unit.

ONE YEAR LIMITED WARRANTY

The Genie Company warrants this Genie product for a period of one (1) year from the date of purchase.

Who Gets The Warranty? This warranty is limited to the consumer who originally purchases the product.

What Is Covered? This limited warranty covers all defects in workmanship and material.

What Is Not Covered? This limited warranty does not cover batteries, installation or damage resulting from accident, misuse or abuse, lack of proper maintenance, affixing of any attachments not provided with the product or loss of parts. IN NO EVENT SHALL THE GENIE COMPANY BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES NOR FOR ANY DAMAGES RESULTING FROM MISUSE OR MODIFICATION OF THIS PRODUCT.

How To Obtain Service

1). You may obtain in-warranty service from your dealer or dealers listed under the door section of your yellow pages. Genie will provide in-warranty parts at no charge; however, these dealers are independent businessmen and may render a bench or service call charge for their services. Genie will not be responsible for these charges.

2). You may also obtain in-warranty service by returning this product, postage prepaid, to: Service Department, The Genie Company, 22790 Lake Park Boulevard, Alliance, Ohio 44601. In-warranty products returned to the Service Department will be repaired or replaced with no charge for either parts or labor and will be returned to you, postage prepaid. Please include a brief statement indicating date and place of purchase and the nature of the problem.

Legal Remedies — This warranty gives you special legal rights and you may also have other rights which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long any implied warranty may last, so the above exclusions and limitations may not apply to you.

FILL THIS IN AT TIME OF INSTALLATION
GENIE® PROFESSIONAL GARAGE DOOR OPENER SYSTEM WARRANTY CARD

Date Purchased_____ Opener Serial No._____

Opener Model _____ Radio Control Model_____

Dealer's Name _____

Address _____

City _____ State _____

Zip Code_____ Phone _____

CORRESPONDENCE WITH FACTORY MUST INCLUDE SERIAL NOS.

THE GENIE COMPANY
SERVICE DEPT.
22790 LAKE PARK BOULEVARD
ALLIANCE, OHIO 44601

(216) 821-1221

KEEP THIS FOR YOUR RECORDS.

The Genie Company

A division of North American Philips Corporation

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(TEAR HERE)

DEALER OR INSTALLER COPY

GENIE PROFESSIONAL GARAGE DOOR OPENER SYSTEM WARRANTY CARD

DATE PURCHASED _____

OPENER SERIAL NO. _____

OPENER MODEL _____

TRANSMITTER MODEL _____

FREQUENCY _____

OWNER'S NAME _____

ADDRESS _____

CITY _____ STATE _____

ZIP CODE _____ PHONE _____

INSTALLER NAME _____

ADDRESS _____

CITY _____ STATE _____

ZIP CODE _____ PHONE _____

CORRESPONDENCE WITH FACTORY MUST INCLUDE SERIAL NUMBERS

THE GENIE COMPANY
SERVICE DEPT.
ALLIANCE, OHIO 44601
(216) 821-1221

(TEAR HERE)

WARRANTY INFORMATION AND MARKETING QUESTIONNAIRE

WE WOULD APPRECIATE YOUR COMPLETING THE FOLLOWING QUESTIONNAIRE TO ENABLE US TO BETTER SERVE YOU.

NAME _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

DEALER NAME _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

DATE OF PURCHASE ☐☐ MONTH ☐☐ DAY ☐☐ YEAR

DATE OF INSTALLATION ☐☐ MONTH ☐☐ DAY ☐☐ YEAR

NUMBER OF GARAGE DOORS: 1 2 3 4

NUMBER OF UNITS PURCHASED: 1 2 3 4

FREQUENCY NO. UNIT 1 ☐ UNIT 2 ☐

UNIT 3 ☐ UNIT 4 ☐

Model PRO-130 ☐

PRO-125 ☐

(FOLD HERE)

1. What Motivated You To Buy A Genie?
   ☐ DEALER RECOMMENDATION ☐ DEMONSTRATION
   ☐ FRIEND ☐ NEWSPAPER AD ☐ PRICE
   ☐ STYLING ☐ T.V. AD

2. Primary Reason For Purchase
   ☐ CONVENIENCE ☐ GIFT ☐ HEALTH
   ☐ INCREASED HOME VALUE ☐ SECURITY

3. Type of Store Where Purchased
   ☐ APPLIANCE ☐ BUILDER
   ☐ CATALOG/SHOWROOM ☐ DEPT.
   ☐ GARAGE DOOR COMPANY ☐ HARDWARE/LUMBER

4. Age Of Purchaser
   ☐ UNDER 25 ☐ 26-35 ☐ 36-54 ☐ OVER 55

5. Annual Income ☐ UNDER $15,000
   ☐ $16,000-$20,000 ☐ $21,000-$25,000 ☐ $26,000-$30,000
   ☐ $31,000-$35,000 ☐ $36,000-$40,000 ☐ OVER $40,000

6. Age Of Home
   ☐ NEW ☐ 1-3 YEARS ☐ 4-6 YEARS ☐ 7-12 YEARS
   ☐ 12-20 YEARS ☐ OVER 20 YEARS

7. Home Value (Current)
   ☐ UNDER $40,000 ☐ $41,000-$50,000 ☐ $51,000-$60,000
   ☐ $61,000-$80,000 ☐ $81,000-$100,000 ☐ OVER $100,000

8. Type Of Dwelling
   ☐ SINGLE FAMILY ☐ MULTIPLE FAMILY

9. Have You Owned A Garage Door Opener Previously?
   ☐ YES ☐ NO (IF YES, WHAT BRAND _____)

10. Was Your Opener Self-Installed?
    ☐ YES ☐ NO

FROM _____

_____

_____

NO POSTAGE
NECESSARY
IF MAILED IN
UNITED STATES

BUSINESS REPLY CARD

FIRST CLASS PERMIT NO. 1 ALLIANCE, OHIO 44601

POSTAGE WILL BE PAID BY ADDRESSEE

THE GENIE COMPANY
22790 LAKE PARK BLVD.
ALLIANCE, OHIO 44601

The Genie Company
Alliance, Ohio 44601
A division of North American Philips Corporation

X-24226-D

Litho in U.S.A.